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ANT3m ATGACGAAACAGGCCATCTCTTCGCCAAGACTTCCTGGCCGAGGCATCGCCGCGCCATCTCCAAGACGGCGGTGGC 80

ANT1m CCCCATCGAGAGGGTCAAACTGCTGCTGCAGGTCCAGCATGCCAGCAACAGATCACTGCTGAGAAGCAGTACAAAGGCA 160  
ANT2m CCCCATCGAGCGGTCAAGCTGCTGCTGCAGGTCCAGCATGCCAGCAAGCAGATCACTGAGATAAGCAATACAAAGGCA 160  
ANT3m CCCCATCGAGCGGTCAAGCTGCTGCTGCAGGTCCAGCATGCCAGCAAGCAGATCGCGGAGAAAGCAGTACAAAGGCA 160

ANT1m TCATTGATTGTGTGGTGAGATCCCTAAGGAGCAGGGCTTCCTCTCTCTGAGGGGTAACTGGCCAACGTATCCGT 240  
ANT2m TTTATGACTGCGTGGTCCGTATTCCTAAGGAGCAGGAGTTCTGTCTCTGCGCGGTAACTGGCCAATGTCTATAGA 240  
ANT3m TCGTGACTGCAATGTCCGATCCCAAGGAGCAGGGCGTCTGTCTCTGAGGGGTAACTTGGCCAACGTATTCGT 240

ANT1m TACTTCCCCACCAAGCTCTCAACTTCGCCTTCAAGGACAAGTACAAGCAGTCTTCTTGGGGGTGTGGATCGGCATTAA 320  
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ANT1m GCAGTTCTGGCGCTACTTTGCTGGTAACCTGGGTCCGGTGGGCGGTGGGGCCACCTCCCTTTGCTTTGTATACCGC 400  
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ANT3m GCAGTTCTGGCTACTTTGCGGAACCTGGGTCCGGTGGTGGGCGGTGGACCTCCCTTTGCTTTGTGTACCGC 400

ANT1m TGGACTTTGCTAGGACCAAGTTGGTGGCTGATGTGGGAGGC---GCGCCAGCGTGAGTTCAATGGTCTGGCGACTGT 477  
ANT2m TTTGATTTTGGCGTACCGCTTAGCAGCTGATGTGGTAAGGTTGGAGTGAAAGGGAATCCGAGGCCTGGTGACTGC 480  
ANT3m TGGATTTTGGCAGAACCGCTGGCAGCGAGGTGGGAAGTTAGGGAAGAGCGTGAGTTCCGAGGCCTGGTGACTGC 480

*Fig. 1A*

ANT1m ATCATCAAGATCTTCAAGTCTGATGGCTTGAAGGGCTCTACCAGGGTTTCAACGTCTCTGTCCAAGGCATCATTTATCTA 557  
ANT2m CTGGTTAAGATCTACAAATCTGATGGATTAAAGGCCTGTACCAAGGCTTTAACGTCTCTGTGCAGGGTATTTATCATCTA 560  
ANT3m CTGGTTAAGATCAACAAGTCTGATGGCATCCGGGCCTGTACCAGGGCTTCAATGTCTCCGTGCAGGGCATCATCATCTA 560

ANT1m TAGAGTTGCCTACTTCGGATGTCTATGATACTGCCAAGGGATGCTTCCCTTACCCCAAGAACTGCACATTTTTGTGAGCT 637  
ANT2m CCGAGCTGCCTACTTCGGTATCTATGACTGCTAAGGGAATGCTTCCGGATCCCAAGAACAATCACATCGTCATAGCT 640  
ANT3m CCGGCTGCCTACTTCGGCTGTATGATACTGCCAAGGGATGCTTCCCTTACCCCAAGAACACGCACATCGTGTGAGCT 640

ANT1m GGATGATTGCCAGAGTGTGACGGCAGTCCAGGGCTGTGTCTACCCCTTTGACACTGTTCCGTAGAAATGATGATG 717  
ANT2m GGATGATCGACAGAGTGTGATGCTGTGTCGGGGTGTACTTCTATCCATTTGACACTGTTCCGGCCGCATGATGATG 720  
ANT3m GGATGATCGGCAGAGTGTGACGGCGTGTGTCGGGGTGTGTCTACCCCTTTGACACTGTTCCGGCCGCATGATGATG 720

ANT1m CAGTCCGGCCGAAAGGGGGGATTTATGTACACGGGCAAGTTGACTGCTGGAGGAAGATTGCAAAAGAGCAAGGAGG 797  
ANT2m CAGTCAAGGGCGAAAGGAATGACATCATGTACACAGGCACGTTGACTGCTGGGGAAGATTGTCATGATGAAGGAGG 800  
ANT3m CAGTCCGGGGCGAAAGGAGCTGACATCATGTACACGGGCACGTTGACTGTTGGAGGAAGATTTGAGAGATGAGGGGG 800

ANT1m CAAGGCCTTCTTCAAGGTGCTGGTCCAATGTCTGAGAGGCATGGGCGTGCTTTTGTATTTGGTCTGTATGATGAGA 877  
ANT2m CAAGGCTTTTCAAGGGTGCATGGTCCAATGTCTGAGAGGCATGGGCGTGCTTTTGTGCTTTGTCTTGTATGATGAAA 880  
ANT3m CAAGGCCTTCTTCAAGGGTGCATGGTCCAATGTCTGAGAGGCATGGGCGGCTTTGTGCTGGTCTGTATGAGAGG 880

ANT1m TCAAAATATGTCTAA 894  
ANT2m TCAAGAAGTACATAA 897  
ANT3m TCAAGAAGTGATCTAA 897

*Fig. 1B*

HANT1p MDTAAMSFLKDFLAGVAAAVSKTAVAPIERVKLLLVQHASKQISAEKQ 50  
HANT2p MTDAAVSFAKDFLAGGVAAAIKTAVAPIERVKLLLVQHASKQITADKQ 50  
HANT3p MTEQATISFAKDFLAGGTAAAISKTAVAPIERVKLLLVQHASKQIAADKQ 50

HANT1p YKGIIDCVVRIPKEQGLSFWRGNLANVIRYFPTQALNFAFKDKYKQLFL 100  
HANT2p YKGIIDCVVRIPKEQEVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL 100  
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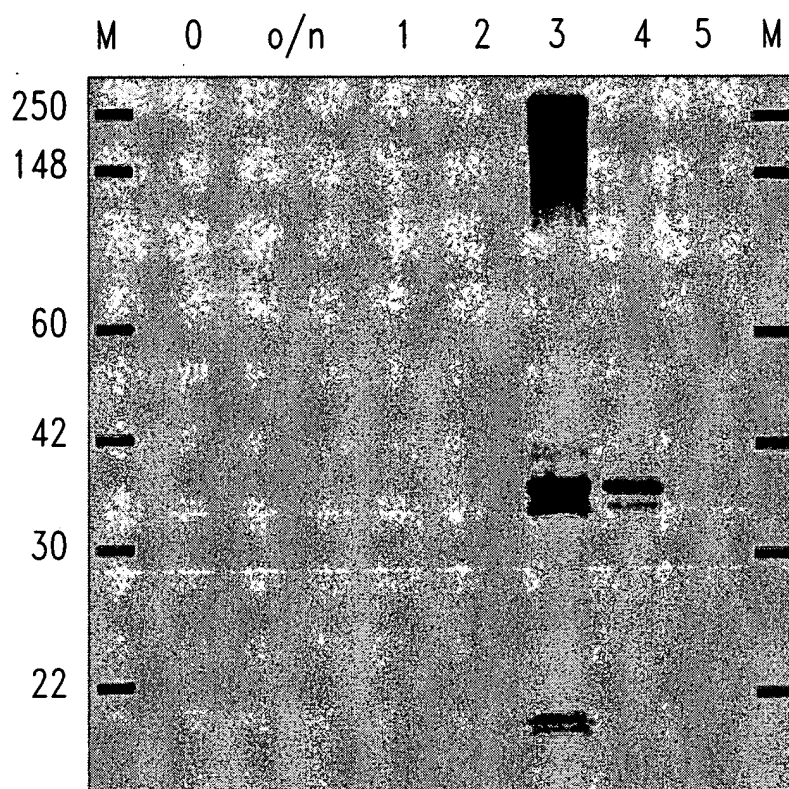
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HANT3p GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGRSGT 150

HANT1p QREFHGLGDDITIKIFKSDGIRGLYQGFNVSVQGIIYRAAYFGVYDTAKG 199  
HANT2p EREFRGLGDCLVKIYKSDGIRGLYQGFNVSVQGIIYRAAYFGIYDTAKG 200  
HANT3p EREFRGLGDCLVKIYKSDGIRGLYQGFNVSVQGIIYRAAYFGVYDTAKG 200

HANT1p MLPDPKNIHIVSWMIAQSVTAVAGLISYPFDTVRRRMMQSGRKGADIM 249  
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HANT3p MLPDPKNTHIVVSWMIAQTVTAVAGVISYPFDTVRRRMMQSGRKGADIM 250

HANT1p YTGTVDCWRKIAKDEGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYV. 298  
HANT2p YTGTVDCWRKIARDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYT. 299  
HANT3p YTGTVDCWRKIERDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKVI. 299

*Fig. 2*

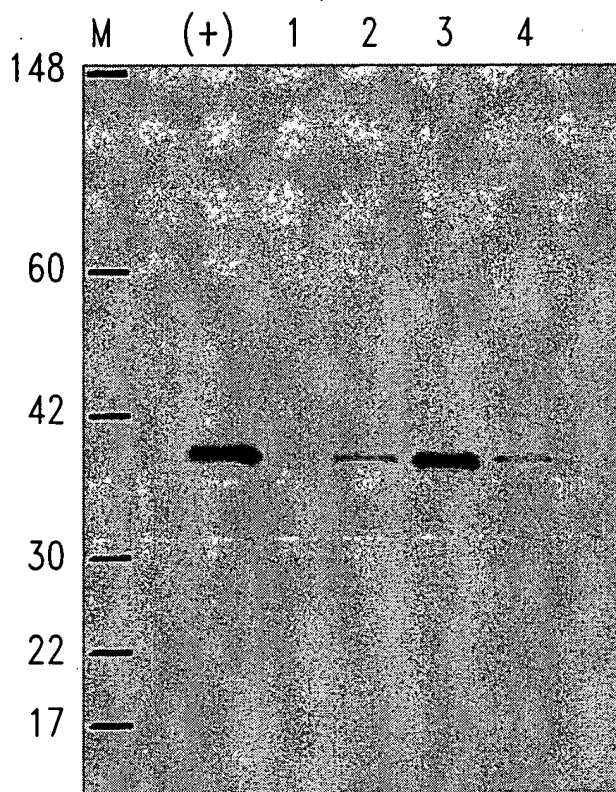


*Fig. 3*

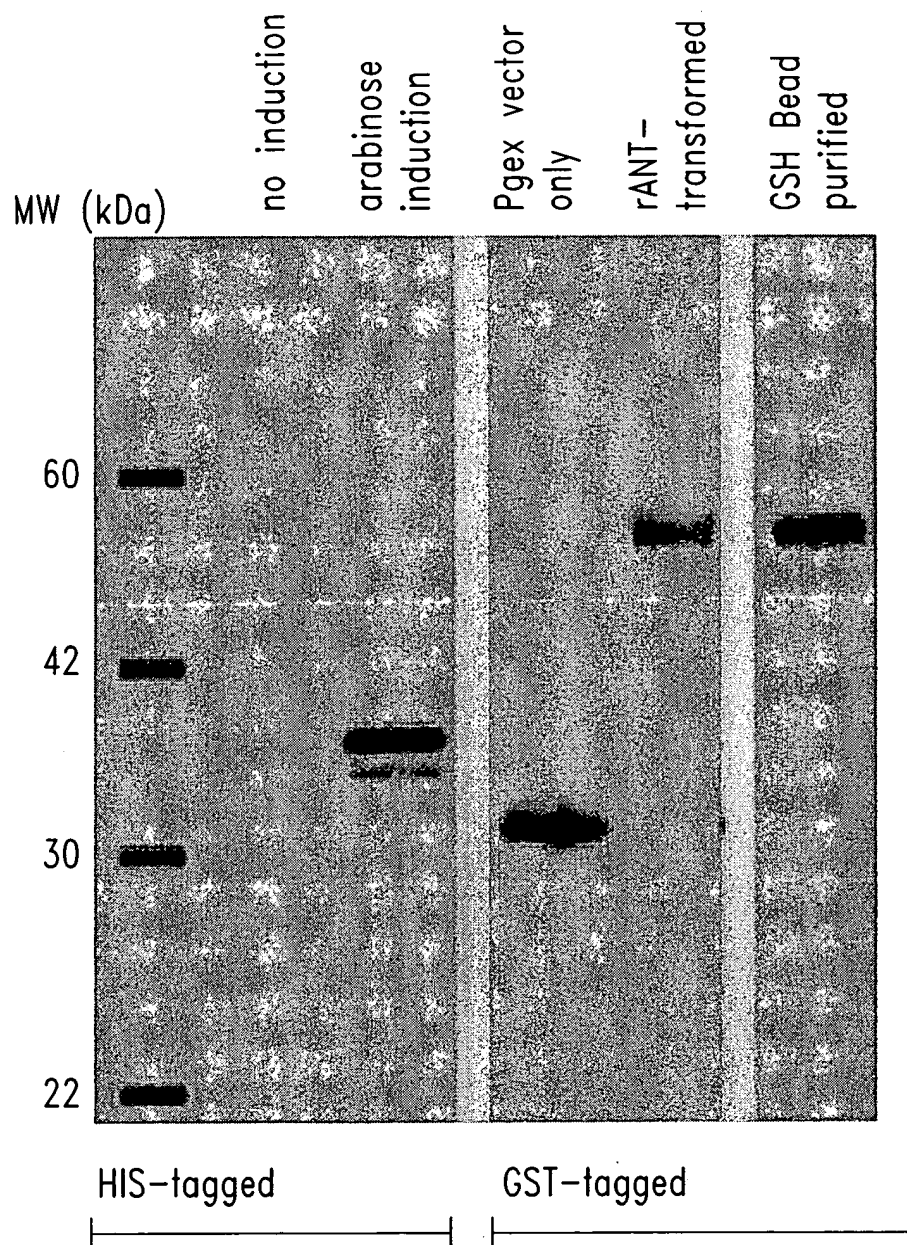
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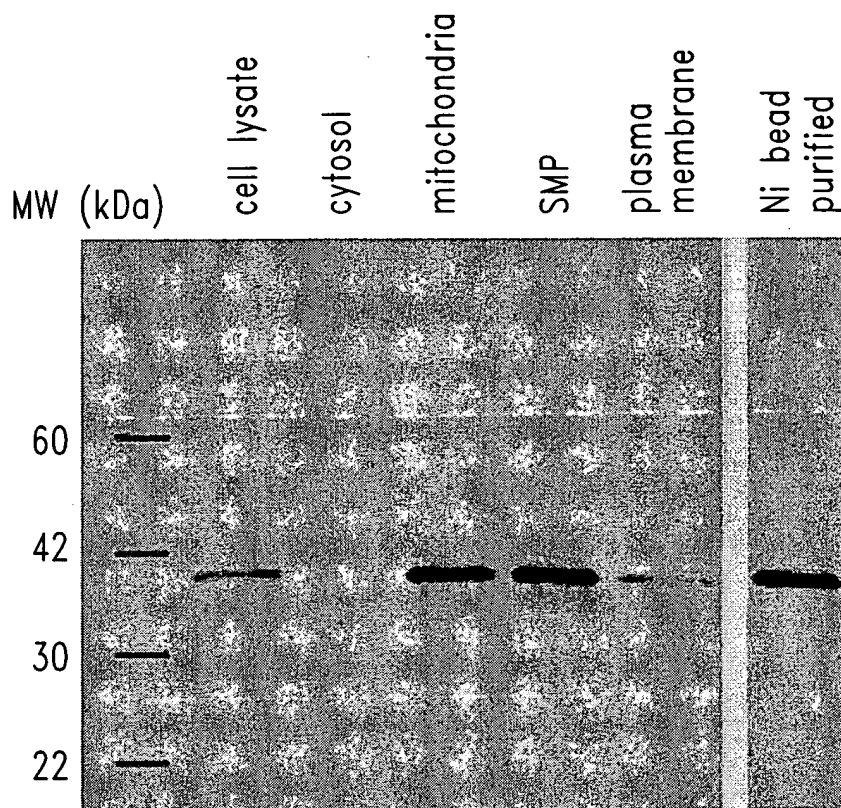
Inventors: Christen M. Anderson et al. Serial No. 09/811,132 Docket No. 660088.420D5



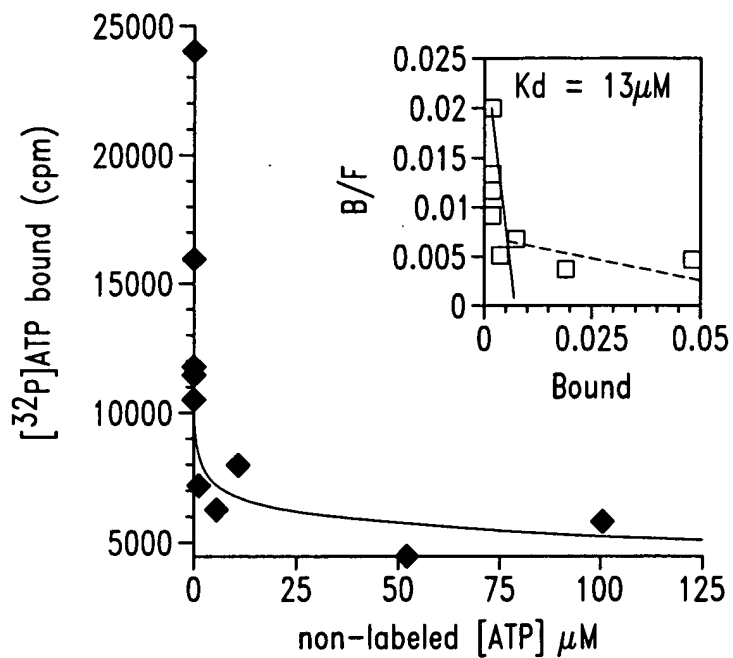
*Fig. 4*



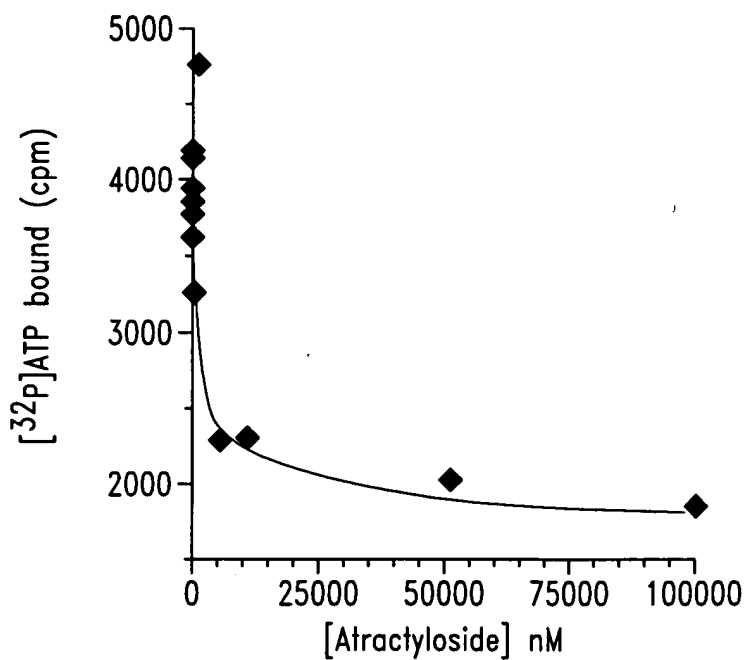
*Fig. 5*



*Fig. 6*



*Fig. 7*



*Fig. 8*



Title: PRODUCTION OF ADEN CLEOTIDE TRANSLOCATOR (ANT), NOVEL ANT LIGA ID SCREENING ASSAYS THEREFOR

Express Mail No. EL 755725017 US

Inventors: Christen M. Anderson et al. Serial No. 09/811,132 Docket No. 660088.420D5

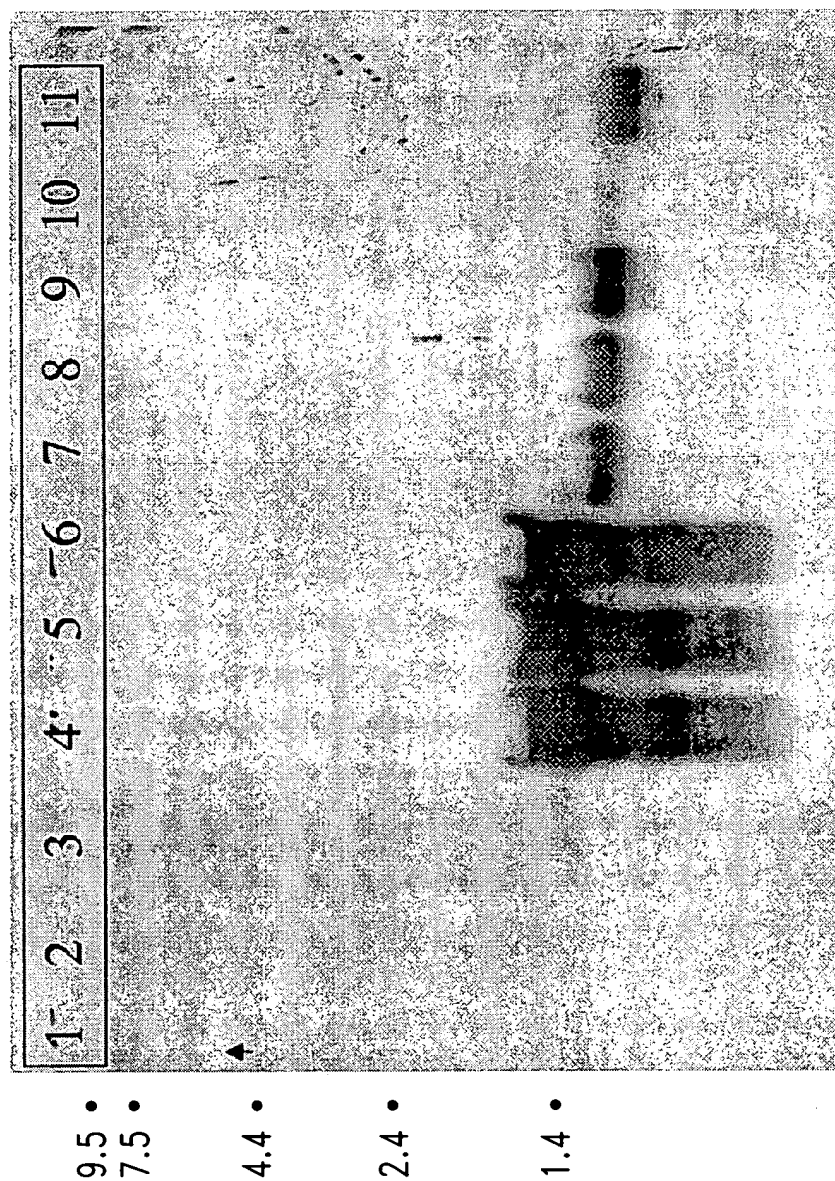
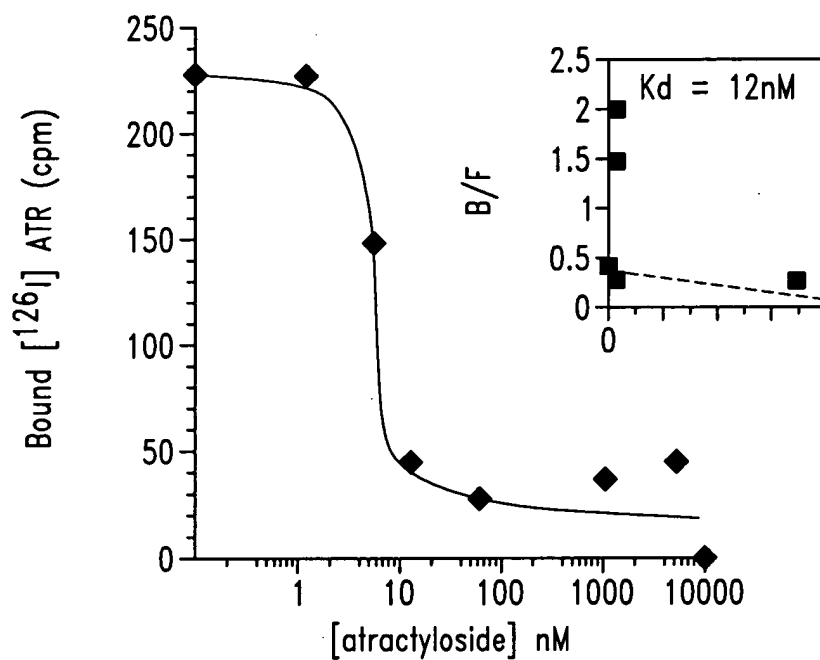
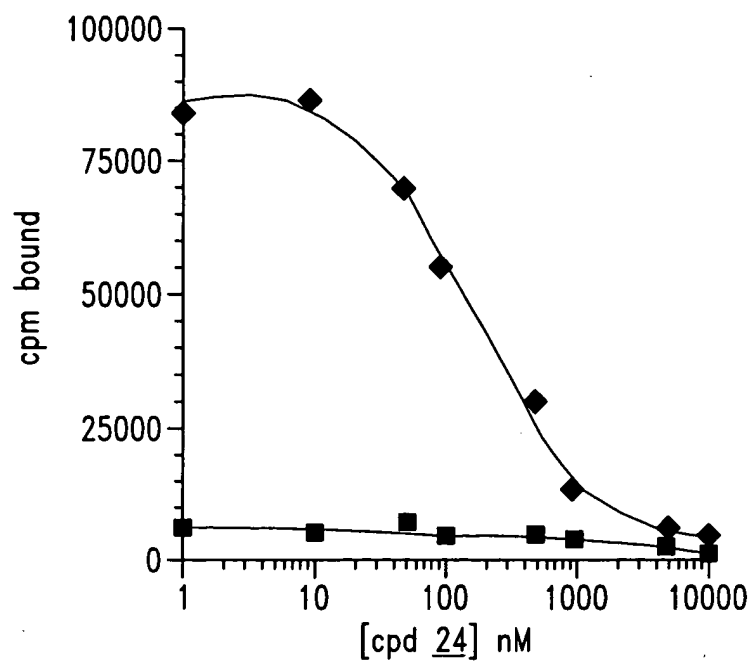


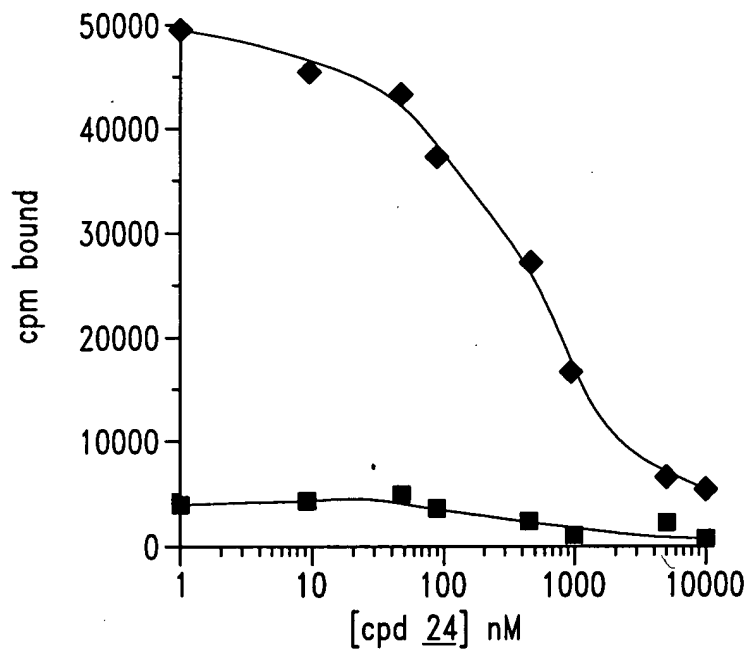
Fig. 10



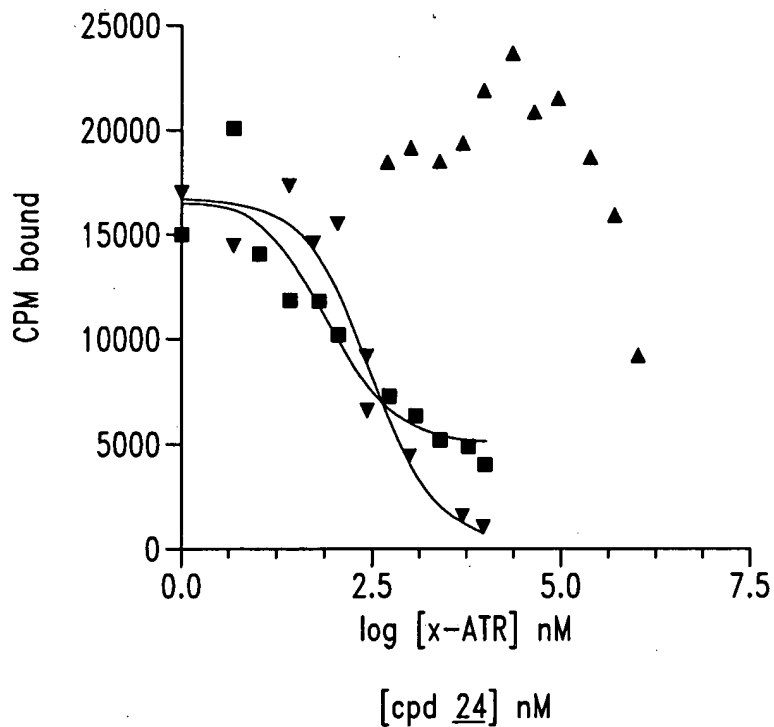
*Fig. 9*



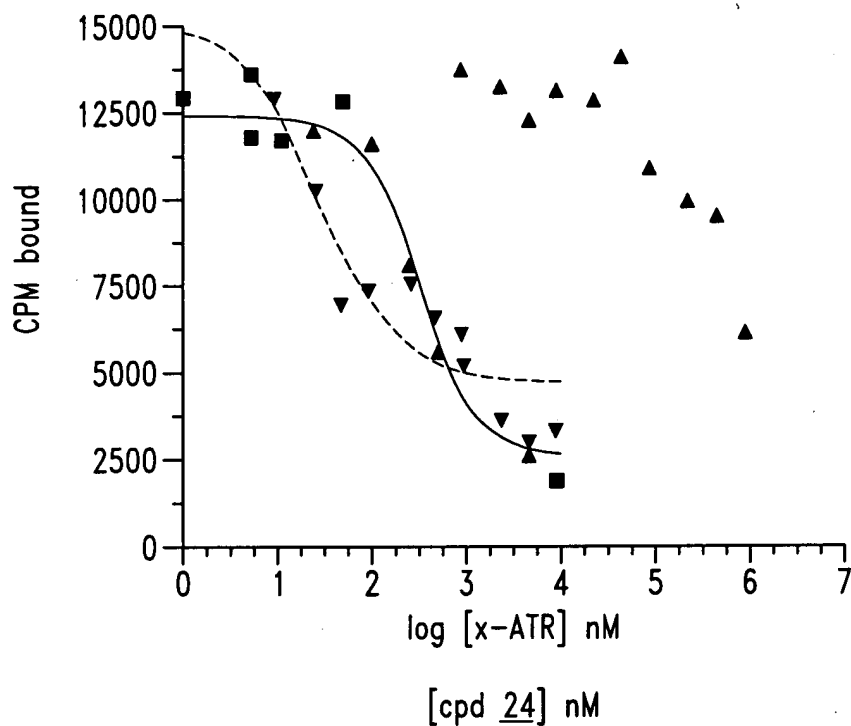
*Fig. 11*



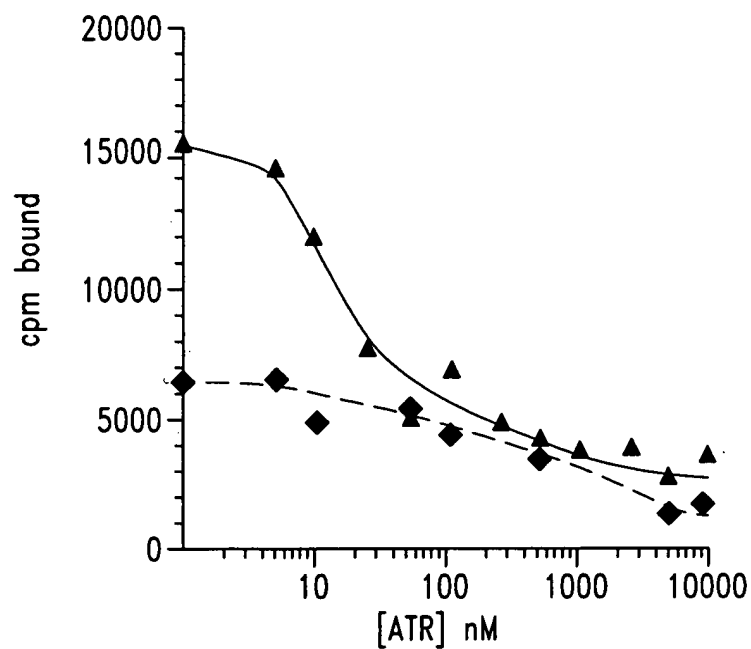
*Fig. 12*



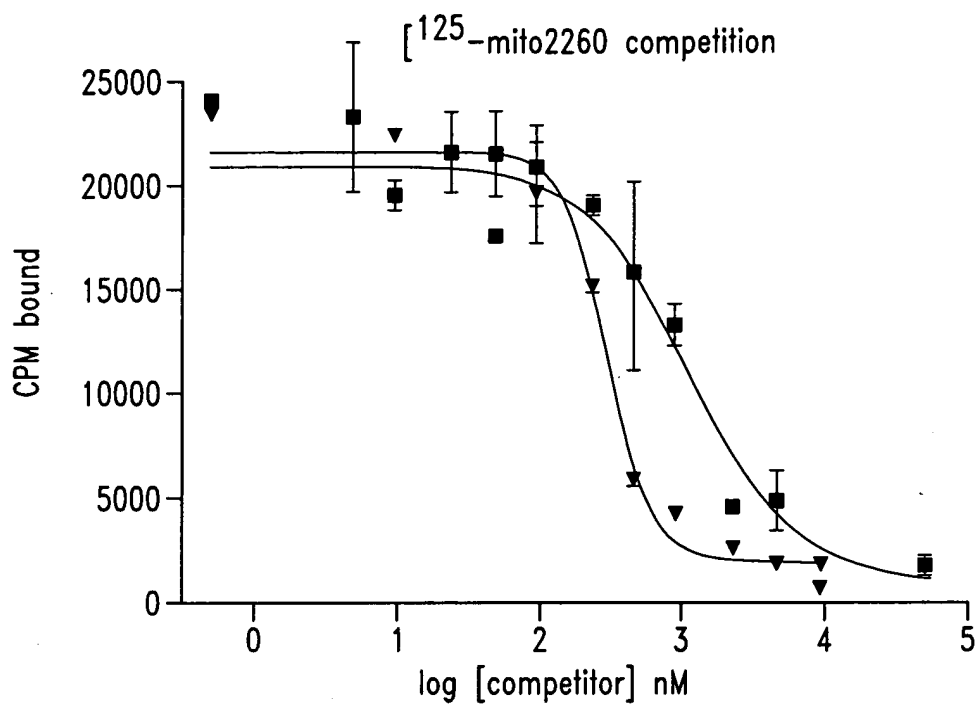
*Fig. 13*



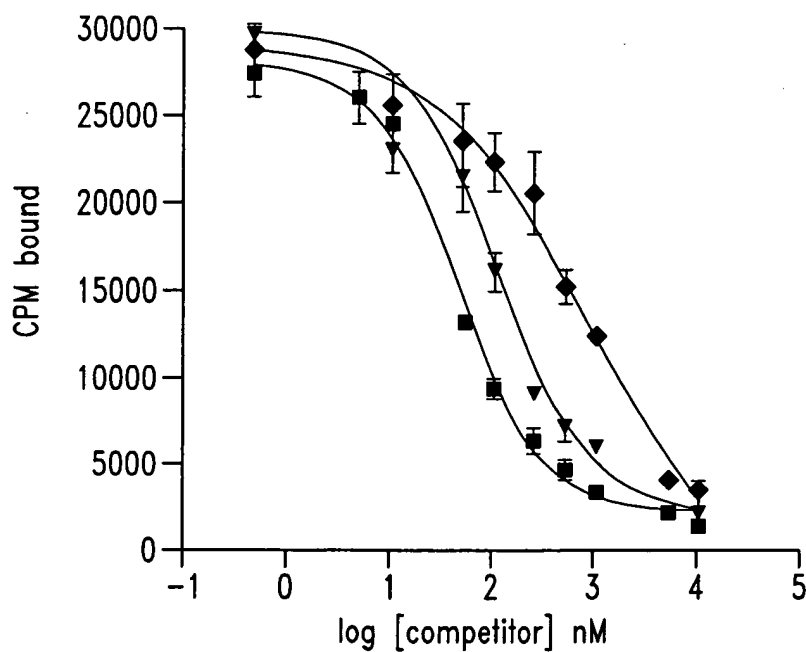
*Fig. 14*



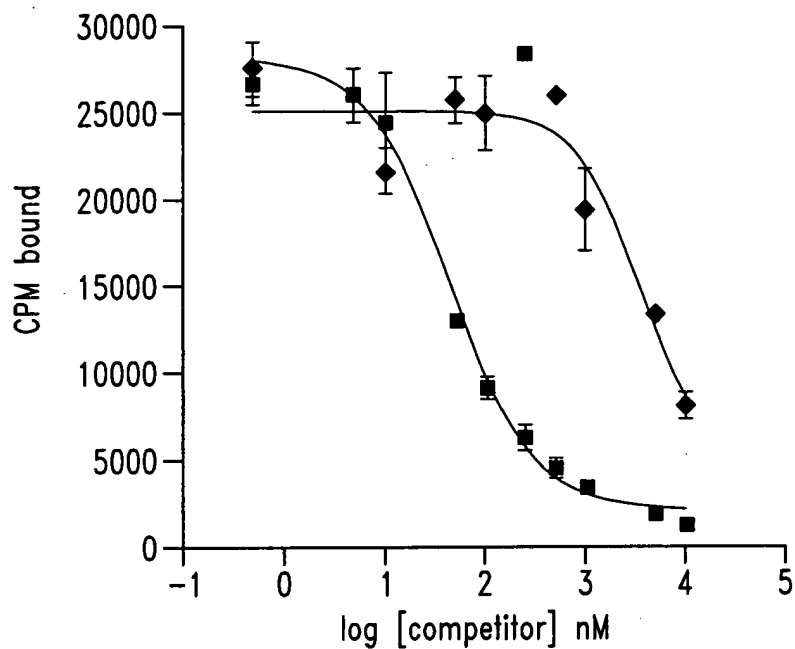
*Fig. 15*



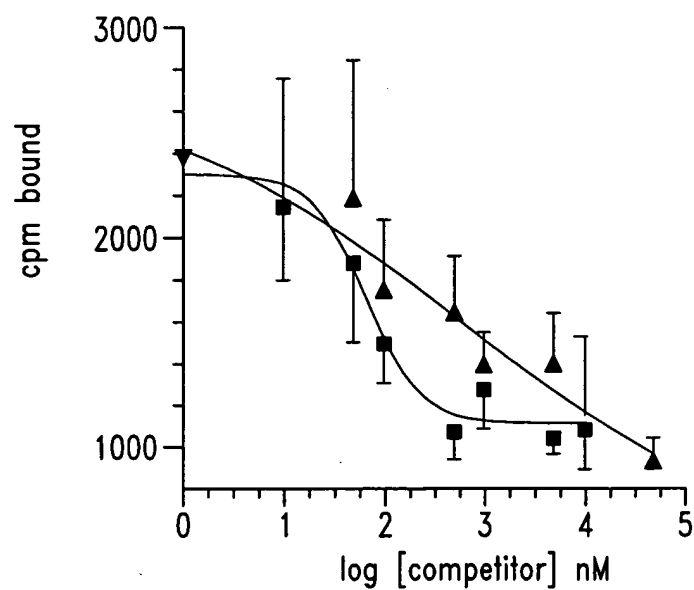
*Fig. 16*



*Fig. 17*



*Fig. 18*



*Fig. 19*